

**REWRITTEN TITLE WITH MARKINGS SHOWING CHANGES**

COMMAND AND CONTROL SYSTEM AND METHOD FOR CONTROLLING MULTIPLE  
TURBOGENERATORS USING A SELECTED CONTROL MODE

**REWRITTEN CLAIMS WITH MARKINGS SHOWING CHANGES**

1       1. (Amended) A command and control system for a plurality of turbogenerators,  
2 comprising:  
3           a plurality of individual turbogenerators, each of said plurality of individual  
4           turbogenerators having a controller;  
5           a command and control system bus, each of said plurality of individual turbogenerator  
6           controllers operably connected to said command and control system bus;  
7           a plurality of disconnect switches, a disconnect switch provided in each operable  
8           connection of an individual turbogenerator controller to said command and control bus;  
9           a bi-directional power meter;  
10          a master controller operably associated with each of the turbogenerator controllers and  
11          with said bi-directional power meter to control operational sequencing of the individual  
12          turbogenerators in a selected control mode; and  
13          a junction box operably connecting an electric utility; said power meter, the output of the  
14          plurality of individual turbogenerators, and a load.

1       6. (Amended) The command and control system of claim 1 wherein said operational  
2       sequencing [selected control mode] includes the starting, stopping and loading of each of said  
3       plurality of individual turbogenerators.

1       9. (Amended) The command and control system of claim 6 wherein the operational  
2       [start] sequencing is based on the use time of each of said plurality of individual turbogenerators.

1       12. (Amended) The command and control system of claim 6 wherein the starting of  
2       each of the plurality of turbogenerators is selected [staggered] to minimize the total power draw  
3       requirements.

1       16. (New) A control system for a plurality of turbogenerators, comprising:  
2       a plurality of turbogenerators, each of said plurality of individual turbogenerators having  
3       a controller;  
4       a control system bus, each of said plurality of turbogenerator controllers operably  
5       connected to said control system bus;  
6       a switch provided in each operable connection of an individual turbogenerator controller  
7       to said control bus;  
8       a power meter;  
9       a master controller operably associated with each of the turbogenerator controllers and  
10      with the power meter to control operational sequencing of the individual turbogenerators in a  
11      selected control mode; and  
12      a junction box operably connecting an electric utility; said power meter, the output of the  
13      plurality of individual turbogenerators, and a load.

1       17. (New) The control system of claim 16, further comprising:  
2       a timed relay operably associated with said control system bus, said power meter, and  
3       said junction box to prevent the feedback of electrical power to the electric utility.

1       18. (New) The control system of claim 16, wherein said selected control mode is a  
2       utility load following mode in which utility power consumption and turbogenerator power  
3       generation are compared to produce an error signal which is integrated over a defined specified  
4       time to produce a power demand signal.

1       19. (New) The control system of claim 16 wherein said selected control mode is a  
2       utility base load mode in which a defined utility power signal and the power meter signal are  
3       compared to produce an error signal which is integrated over a defined specified time to produce  
4       a power demand signal.

1       20. (New) The control system of claim 16 wherein said selected control mode is a  
2       base load mode in which the power meter signal and a base load demand signal are compared to  
3       produce an error signal which is integrated over a defined specified time to produce a power  
4       demand signal.

1       21. (New) The control system of claim 16 wherein the operational sequencing  
2       includes a start sequence, a stop sequence and a load sequence.

1       22. (New) The control system of claim 16 wherein said master controller includes a  
2       sequencing and control logic system.

1       23. (New) The control system of claim 22 wherein said sequencing and control logic  
2       system includes a proportional-plus-integrated control to regulate power demand.

1       24. (New) The control system of claim 21 wherein the operational sequencing is  
2       based on the use time of each of said plurality of individual turbogenerators.

1       25. (New) The control system of claim 24 wherein the turbogenerator with the least  
2       use time is started first.

1       26. (New) The control system of claim 24 wherein the turbogenerator with the most  
2       use time is shut down first.

1       27. (New) The control system of claim 21 wherein the start sequence of each of the  
2       plurality of turbogenerators is selected to minimize the total power draw requirements.

1       28. (New) The control system of claim 21 wherein a turbogenerator is automatically  
2       restarted in the event of a fault shutdown.

1       29. (New) The control system of claim 21 wherein an inactive turbogenerator is  
2       automatically restarted in the event of a fault shutdown of an active turbogenerator.

1       30. (New) The control system of claim 1 wherein said selected control mode includes  
2       power hysterisis bands, rate limits and set points integrated over time.

1       31. (New) The control system of claim 16 wherein the switch is a disconnect switch.

1       32. (New) The control system of claim 16 wherein the power meter is a bi-directional  
2       power meter.